

Section 1. Registration Information

Source Identification

Facility Name:	Casa Grande Plant Food Co.
Parent Company #1 Name:	Jim Hicks & Co.
Parent Company #2 Name:	

Submission and Acceptance

Submission Type:	Re-submission
Subsequent RMP Submission Reason:	5-year update (40 CFR 68.190(b)(1))
Description:	5-yr update 2-2009
Receipt Date:	24-Mar-2014
Postmark Date:	24-Mar-2014
Next Due Date:	24-Mar-2019
Completeness Check Date:	24-Mar-2014
Complete RMP:	Yes
De-Registration / Closed Reason:	
De-Registration / Closed Reason Other Text:	
De-Registered / Closed Date:	
De-Registered / Closed Effective Date:	
Certification Received:	Yes

Facility Identification

EPA Facility Identifier:	1000 0010 6271
Other EPA Systems Facility ID:	

Dun and Bradstreet Numbers (DUNS)

Facility DUNS:	
Parent Company #1 DUNS:	58435363
Parent Company #2 DUNS:	

Facility Location Address

Street 1:	447 West First Street
Street 2:	
City:	Casa Grande
State:	ARIZONA
ZIP:	85222
ZIP4:	
County:	PINAL

Facility Latitude and Longitude

Latitude (decimal):	32.879167
Longitude (decimal):	-111.759167
Lat/Long Method:	Interpolation - Photo
Lat/Long Description:	Administrative Building
Horizontal Accuracy Measure:	2
Horizontal Reference Datum Name:	North American Datum of 1983
Source Map Scale Number:	24000

Owner or Operator

Operator Name:	Cliff Entzminger, Manager
Operator Phone:	(520) 836-8286

Mailing Address

Operator Street 1:	447 West First Street
Operator Street 2:	
Operator City:	Casa Grande
Operator State:	ARIZONA
Operator ZIP:	85222
Operator ZIP4:	
Operator Foreign State or Province:	
Operator Foreign ZIP:	
Operator Foreign Country:	

Name and title of person or position responsible for Part 68 (RMP) Implementation

RMP Name of Person:	Cliff Entzminger
RMP Title of Person or Position:	Manager
RMP E-mail Address:	CGPF1@qwestoffice.net

Emergency Contact

Emergency Contact Name:	Cliff Entzminger
Emergency Contact Title:	Manager
Emergency Contact Phone:	(520) 836-8286
Emergency Contact 24-Hour Phone:	(520) 251-3708
Emergency Contact Ext. or PIN:	
Emergency Contact E-mail Address:	CGPF1@qwestoffice.net

Other Points of Contact

Facility or Parent Company E-mail Address:	
Facility Public Contact Phone:	(520) 836-8286
Facility or Parent Company WWW Homepage Address:	

Local Emergency Planning Committee

LEPC:	Pinal County LEPC
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Full Time Equivalent Employees

Number of Full Time Employees (FTE) on Site:	7
FTE Claimed as CBI:	

Covered By

OSHA PSM :	Yes
EPCRA 302 :	Yes
CAA Title V:	
Air Operating Permit ID:	

OSHA Ranking

OSHA Star or Merit Ranking:

Last Safety Inspection

Last Safety Inspection (By an External Agency) Date:	06-Jan-2011
Last Safety Inspection Performed By an External Agency:	Fire Department

Predictive Filing

Did this RMP involve predictive filing?:

Preparer Information

Preparer Name:	Riverside Environmental Services, Inc.
Preparer Phone:	(928) 783-3803
Preparer Street 1:	4885 W. Riverside Dr.
Preparer Street 2:	
Preparer City:	Yuma
Preparer State:	ARIZONA
Preparer ZIP:	85364
Preparer ZIP4:	
Preparer Foreign State:	
Preparer Foreign Country:	
Preparer Foreign ZIP:	

Confidential Business Information (CBI)

CBI Claimed:
Substantiation Provided:
Unsanitized RMP Provided:

Reportable Accidents

Reportable Accidents:	See Section 6. Accident History below to determine if there were any accidents reported for this RMP.
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Process Chemicals

Process ID:	1000048823
Description:	ammonia storage and react
Process Chemical ID:	1000059227
Program Level:	Program Level 3 process
Chemical Name:	Ammonia (anhydrous)
CAS Number:	7664-41-7
Quantity (lbs):	156000
CBI Claimed:	
Flammable/Toxic:	Toxic

Process NAICS

Process ID:	1000048823
Process NAICS ID:	1000049245
Program Level:	Program Level 3 process
NAICS Code:	325312
NAICS Description:	Phosphatic Fertilizer Manufacturing

Section 2. Toxics: Worst Case

Toxic Worst ID: 1000039834

Percent Weight:	100.0
Physical State:	Gas liquified by pressure
Model Used:	EPA's RMP*Comp(TM)
Release Duration (mins):	10
Wind Speed (m/sec):	1.5
Atmospheric Stability Class:	F
Topography:	Urban

Passive Mitigation Considered

Dikes:
Enclosures:
Berms:
Drains:
Sumps:
Other Type:

Section 3. Toxics: Alternative Release

Toxic Alter ID: 1000042121

Percent Weight:	100.0
Physical State:	Gas liquified by pressure
Model Used:	EPA's RMP*Comp(TM)
Wind Speed (m/sec):	3.0
Atmospheric Stability Class:	D
Topography:	Urban

Passive Mitigation Considered

Dikes:
Enclosures:
Berms:
Drains:
Sumps:
Other Type:

Active Mitigation Considered

Sprinkler System:	
Deluge System:	
Water Curtain:	
Neutralization:	
Excess Flow Valve:	Yes
Flares:	
Scrubbers:	
Emergency Shutdown:	Yes
Other Type:	pneumatic shutoffs

Section 4. Flammables: Worst Case

No records found.

Section 5. Flammables: Alternative Release

No records found.

Section 6. Accident History

No records found.

Section 7. Program Level 3

Description

Anhydrous ammonia storage and reactor

Program Level 3 Prevention Program Chemicals

Prevention Program Chemical ID:	1000050405
Chemical Name:	Ammonia (anhydrous)
Flammable/Toxic:	Toxic
CAS Number:	7664-41-7

Prevention Program Level 3 ID:	1000042241
NAICS Code:	325312

Safety Information

Safety Review Date (The date on which the safety information was last reviewed or revised):	14-Jan-2014
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Process Hazard Analysis (PHA)

PHA Completion Date (Date of last PHA or PHA update):	16-Jan-2014
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The Technique Used

What If:	
Checklist:	
What If/Checklist:	Yes
HAZOP:	
Failure Mode and Effects Analysis:	
Fault Tree Analysis:	
Other Technique Used:	
PHA Change Completion Date (The expected or actual date of completion of all changes resulting from last PHA or PHA update):	16-Jul-2014

Major Hazards Identified

Toxic Release:	Yes
Fire:	Yes
Explosion:	
Runaway Reaction:	
Polymerization:	
Overpressurization:	Yes
Corrosion:	Yes
Overfilling:	Yes
Contamination:	Yes
Equipment Failure:	Yes
Loss of Cooling, Heating, Electricity, Instrument Air:	
Earthquake:	Yes
Floods (Flood Plain):	

Tornado:

Hurricanes:

Other Major Hazard Identified:

operator error, impacts, climatic conditions,
vandalism

Process Controls in Use

Vents:

Relief Valves:

Yes

Check Valves:

Scrubbers:

Flares:

Manual Shutoffs:

Yes

Automatic Shutoffs:

Yes

Interlocks:

Alarms and Procedures:

Yes

Keyed Bypass:

Emergency Air Supply:

Emergency Power:

Backup Pump:

Grounding Equipment:

Inhibitor Addition:

Rupture Disks:

Excess Flow Device:

Yes

Quench System:

Purge System:

None:

Other Process Control in Use:

pneumatic emergency remote shutoffs

Mitigation Systems in Use

Sprinkler System:

Dikes:

Fire Walls:

Blast Walls:

Deluge System:

Water Curtain:

Enclosure:

Neutralization:

None:

Yes

Other Mitigation System in Use:

Monitoring/Detection Systems in Use

Process Area Detectors:

Perimeter Monitors:

None:

Other Monitoring/Detection System in Use:

visual monitoring

Changes Since Last PHA Update

Reduction in Chemical Inventory:

Yes

Increase in Chemical Inventory:

Change Process Parameters:

Installation of Process Controls:

Installation of Process Detection Systems:
Installation of Perimeter Monitoring Systems:
Installation of Mitigation Systems:
None Recommended:
None:
Other Changes Since Last PHA or PHA Update:

Review of Operating Procedures

Operating Procedures Revision Date (The date of the most recent review or revision of operating procedures): 14-Jan-2014

Training

Training Revision Date (The date of the most recent review or revision of training programs): 14-Jan-2014

The Type of Training Provided

Classroom: Yes
On the Job: Yes
Other Training:

The Type of Competency Testing Used

Written Tests:
Oral Tests: Yes
Demonstration: Yes
Observation: Yes
Other Type of Competency Testing Used:

Maintenance

Maintenance Procedures Revision Date (The date of the most recent review or revision of maintenance procedures): 14-Jan-2014

Equipment Inspection Date (The date of the most recent equipment inspection or test): 10-Dec-2013

Equipment Tested (Equipment most recently inspected or tested): Inspection and replacement of hydrostat and vapor relief valves.

Management of Change

Change Management Date (The date of the most recent change that triggered management of change procedures): 01-Aug-2003

Change Management Revision Date (The date of the most recent review or revision of management of change procedures): 14-Jan-2014

Pre-Startup Review

Pre-Startup Review Date (The date of the most recent pre-startup review):

Compliance Audits

Compliance Audit Date (The date of the most recent compliance audit): 19-Jan-2012

Compliance Audit Change Completion Date (Expected or actual date of completion of all changes resulting from the compliance audit): 19-Jul-2012

Incident Investigation

Incident Investigation Date (The date of the most recent incident investigation (if any)):

Incident Investigation Change Date (The expected or actual date of completion of all changes resulting from the investigation):

Employee Participation Plans

Participation Plan Revision Date (The date of the most recent review or revision of employee participation plans): 14-Jan-2014

Hot Work Permit Procedures

Hot Work permit Review Date (The date of the most recent review or revision of hot work permit procedures): 14-Jan-2014

Contractor Safety Procedures

Contractor Safety Procedures Review Date (The date of the most recent review or revision of contractor safety procedures): 14-Jan-2014

Contractor Safety Performance Evaluation Date (The date of the most recent review or revision of contractor safety performance):

Confidential Business Information

CBI Claimed:

Section 8. Program Level 2

Section 9. Emergency Response

Written Emergency Response (ER) Plan

Community Plan (Is facility included in written community emergency response plan?): Yes

Facility Plan (Does facility have its own written emergency response plan?): Yes

Response Actions (Does ER plan include specific actions to be taken in response to accidental releases of regulated substance(s)?): Yes

Public Information (Does ER plan include procedures for informing the public and local agencies responding to accidental release?): Yes

Healthcare (Does facility's ER plan include information on emergency health care?): Yes

Emergency Response Review

Review Date (Date of most recent review or update of facility's ER plan): 14-Jan-2014

Emergency Response Training

Training Date (Date of most recent review or update of facility's employees): 17-Mar-2014

Local Agency

Agency Name (Name of local agency with which the facility ER plan or response activities are coordinated): Casa Grande Fire Department

Agency Phone Number (Phone number of local agency with which the facility ER plan or response activities are coordinated): (520) 421-8777

Subject to

OSHA Regulations at 29 CFR 1910.38: Yes

OSHA Regulations at 29 CFR 1910.120: Yes

Clean Water Regulations at 40 CFR 112:

RCRA Regulations at CFR 264, 265, and 279.52:

OPA 90 Regulations at 40 CFR 112, 33 CFR 154, 49 CFR 194, or 30 CFR 254:

State EPCRA Rules or Laws: Yes

Other (Specify):

Executive Summary

Casa Grande Plant Food Co.'s (CGFPC) accidental release prevention policy involves a unified approach that integrates technologies, procedures, and management practices. All applicable procedures of the federal programs are adhered to by the facility. CGPFC's emergency response policy involves the preparation of response plans which are tailored to the facility and to the emergency response services available in the community, and is in compliance with the EPA and OSHA Emergency Response Program requirements, as applicable.

CGFPC is a formulator and wholesaler of fertilizer products for distribution in regional agricultural markets. The facility contains anhydrous ammonia in three storage tanks located along the south side of the facility. The storage vessels, piping, pumps, and formulation equipment are interconnected. The facility is manned five days per week during daylight hours. Yardsmen can/will assist the fire department in the event of an emergency.

The general accidental release prevention program is based on the following key elements:

- High level of training of the operators.
- Preventative maintenance programs.
- Use of state-of-the-art process and safety equipment.
- Use of accurate and effective operating procedures, written with the participation of the operators.
- Performance of a process hazard analysis of equipment and procedures.
- Implementation of an auditing and inspection program.

Chemical specific prevention steps include close visual monitoring of all process equipment, emergency shutoffs, availability of respiratory protection equipment for immediate use, capture of minor fugitive vapor releases from hose connections, sensitivity to weather conditions that may affect an emergency situation, and awareness of the hazardous and toxic properties of ammonia.

No accidental releases of anhydrous ammonia have occurred at this facility in the past five years.

The facility has an emergency response program, which has been coordinated (reviewed) by the Casa Grande Fire Department, which is a member of the Local Emergency Response Planning Committee (LEPC). This program includes emergency response decision tree and a notification plan. Emergency response drills and drill evaluations are conducted periodically. Emergency response and response procedures are also reviewed periodically.

Air-actuated safety valves are installed at all tank connections, in addition to the excess-flow valves in each tank.